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Cumulative Michigan COVID-19 Data

Michigan COVID-19 State Data

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11-13-2020

## 2020-11-13\_MichiganOverview\_COVIDstats

Michigan Department of Health & Human Services

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# Coronavirus

CORONAVIRUS / MICHIGAN DATA

## Michigan Data



**DATA ABOUT  
PLACES**

**LONG TERM CARE FACILITIES**

**CORONAVIRUS  
SYMPTOMS**

**CUMULATIVE  
RECOVERED**

**OUTBREAK  
REPORTING**



**SCHOOL-RELATED  
OUTBREAK REPORTING**



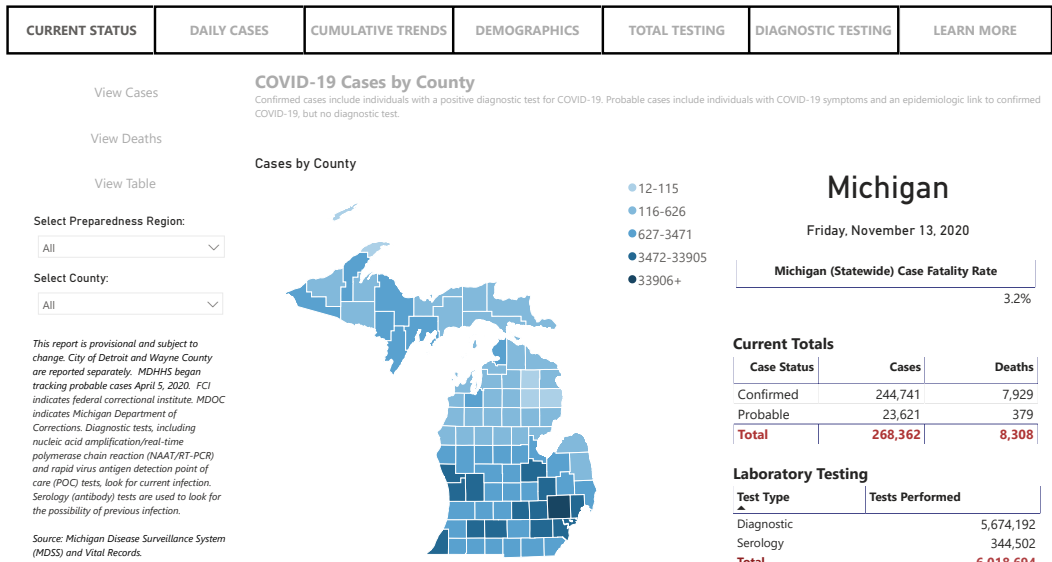
11/13/2020

Coronavirus - Michigan Data

**Note on deaths (11/13/20):** Regular reviews of death certificate data maintained in Vital Records reporting systems are conducted by MDHHS staff three times per week. As a part of this process, records that identify COVID-19 infection as a contributing factor to death are compared against all laboratory confirmed cases of COVID-19 in the Michigan Disease Surveillance System (MDSS). If a death certificate is matched to a confirmed COVID-19 case and that record in the MDSS does not indicate the individual died, the MDSS record is updated to indicate the death and the appropriate local health department is notified. These matched deaths are then included with mortality information posted to the Michigan Coronavirus website. As a result of the most recent assessment, today's data includes 83 additional deaths identified by this methodology.

The State of Michigan is working around the clock to test and treat COVID-19 patients. Below is the most recent data healthcare experts across the state have compiled. It is updated Monday - Saturday.

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**Cases by Hispanic/Latino Ethnicity**

<b>Hispanic/Latino Ethnicity</b>	<b>Percentage of Overall Cases by Ethnicity</b>	<b>Percentage of Deceased Cases by Ethnicity</b>
Hispanic/Latino	6.49%	2.66%
Non-Hispanic Latino	70.09%	85.28%
Unknown	23.42%	12.06%

***Totals may not add to 100% due to rounding***

**Cases by Arab Ethnicity**

<b>Arab Ethnicity</b>	<b>Percentage of Overall Cases by Ethnicity</b>	<b>Percentage of Deceased Cases by Ethnicity</b>
Arab	3.31%	2.02%
Non-Arab	52.97%	50.31%
Unknown	43.71%	47.67%

***Totals may not add to 100% due to rounding***

## PUBLIC USE DATASETS 11/13/2020

(Downloadable .xlsx files)

Cases and Deaths by County

Cases and Deaths by County by Date  
of Onset of Symptoms and Date of Death

Cases by Demographics Statewide

COVID-19 Tests by County

Diagnostic Tests by Result and County

**Cumulative Total of Recovered COVID-19 Cases**

**Cumulative Total of Recovered COVID-19 Cases (as of 11/06/2020): 128,981**

**Note on recovery:** During this response, MDHHS is reviewing vital records statistics to identify any laboratory confirmed COVID-19 cases who are 30 days out from their onset of illness to represent recovery status. As the pandemic continues to impact Michigan, this pool will expand to include more cases. Recovered is defined as the number of persons with a confirmed COVID-19 diagnosis who are alive 30 days post-onset (or referral date if onset is not available). The number of persons recovered on November 6, 2020 represents COVID-19 confirmed individuals with an onset date on or prior to October 7, 2020. If an individual dies from a COVID-related cause >30 days from onset/referral, they are removed from the number of persons recovered. These numbers will be updated every Saturday.

**Source:** Michigan Disease Surveillance System and Vital Records

View Cases

View Deaths

View Table

Select Preparedness Region:

All

Select County:

All

This report is provisional and subject to change. City of Detroit and Wayne County are reported separately. MDHHS began tracking probable cases April 5, 2020. FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections. Diagnostic tests, including nucleic acid amplification/real-time polymerase chain reaction (NAAT/RT-PCR) and rapid virus antigen detection point of care (POC) tests, look for current infection. Serology (antibody) tests are used to look for the possibility of previous infection.

Source: Michigan Disease Surveillance System (MDSS) and Vital Records.

COVID-19 Cases by County

Confirmed cases include individuals with a positive diagnostic test for COVID-19. Probable cases include individuals with COVID-19 symptoms and an epidemiologic link to confirmed COVID-19, but no diagnostic test.

Cases by County

12-115

116-626

627-3471

3472-33905

33906+

Michigan

Friday, November 13, 2020

Michigan (Statewide) Case Fatality Rate

3.2%

Current Totals

Case Status	Cases	Deaths
Confirmed	244,741	7,929
Probable	23,621	379
Total	268,362	8,308

Laboratory Testing

Test Type	Tests Performed
Diagnostic	5,674,192
Serology	344,502
Total	6,018,694

CURRENT STATUS

DAILY CASES

CUMULATIVE TRENDS

DEMOGRAPHICS

TOTAL TESTING

DIAGNOSTIC TESTING

LEARN MORE

View Cases

View Deaths

View Table

Select Preparedness Region:

All

Select County:

All

This report is provisional and subject to change. City of Detroit and Wayne County are reported separately. MDHHS began tracking probable cases April 5, 2020. FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections. Diagnostic tests, including nucleic acid amplification/real-time polymerase chain reaction (NAAT/RT-PCR) and rapid virus antigen detection point of care (POC) tests, look for current infection. Serology (antibody) tests are used to look for the possibility of previous infection.

Source: Michigan Disease Surveillance System (MDSS) and Vital Records.

COVID-19 Deaths by County

Confirmed deaths include individuals who had a confirmed COVID-19 infection and are classified as deceased by the case investigation, have COVID-19 indicated as a cause of death on their death certificate, or who die within 30 days of infection and their manner of death is listed as natural. Probable deaths include individuals who have COVID indicated on their death certificate, but have not had a positive diagnostic test.

Deaths by County

0

1-5

6-35

36-242

243-1675

1676+

Michigan

Friday, November 13, 2020

Michigan (Statewide) Case Fatality Rate

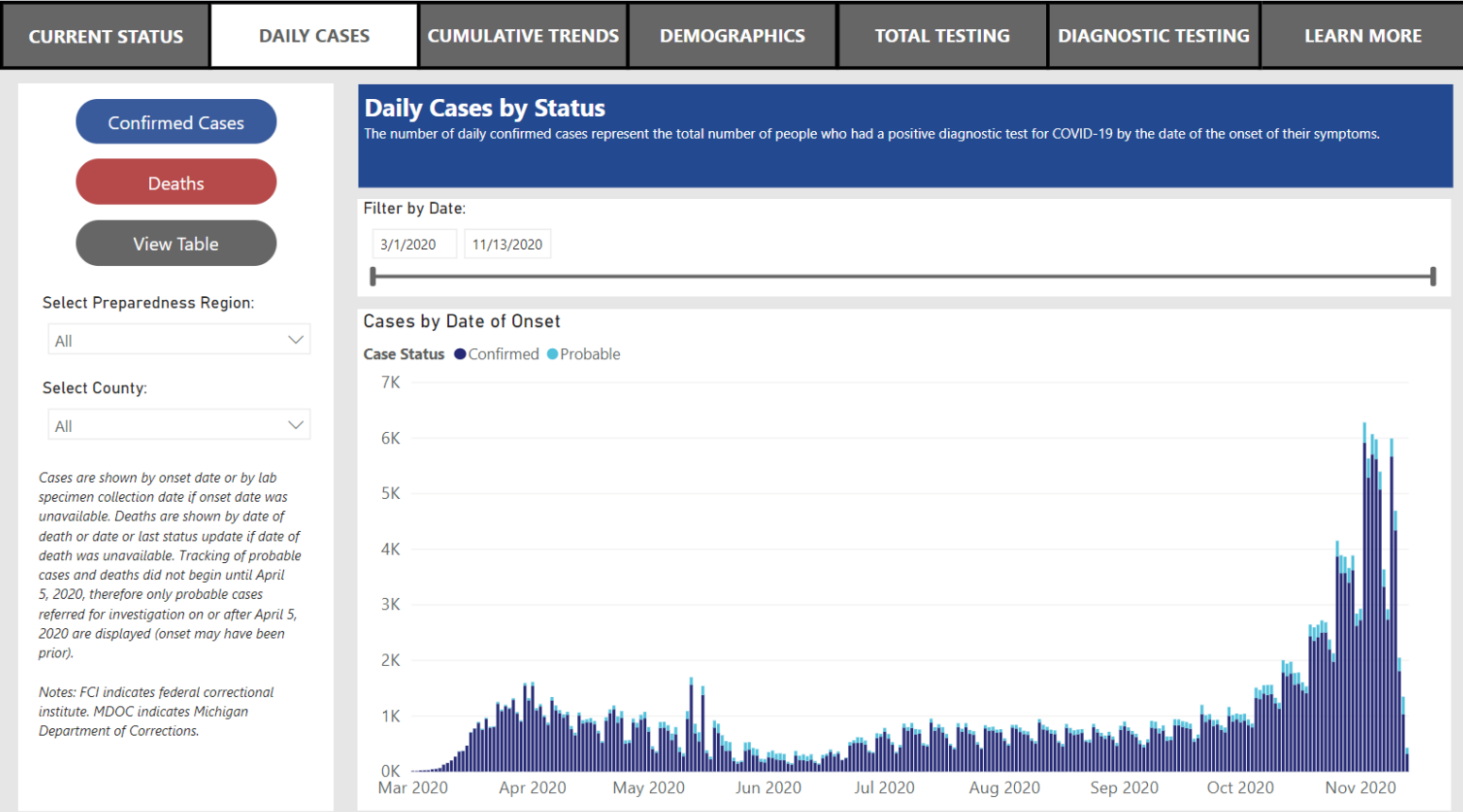
3.2%

Current Totals

Case Status	Cases	Deaths
Confirmed	244,741	7,929
Probable	23,621	379
Total	268,362	8,308

Laboratory Testing

Test Type	Tests Performed
Diagnostic	5,674,192
Serology	344,502
Total	6,018,694



View Table

View Chart

Select Preparedness Region:

All

Select County:

All

Cases are shown by onset date or by lab specimen collection date if onset date was unavailable. Deaths are shown by date of death or date of last status update if date of death was unavailable. Tracking of probable cases and deaths did not begin until April 5, 2020, therefore these data are not displayed by date.

Notes: FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections.

### Cumulative Confirmed Cases and Deaths among Confirmed Cases

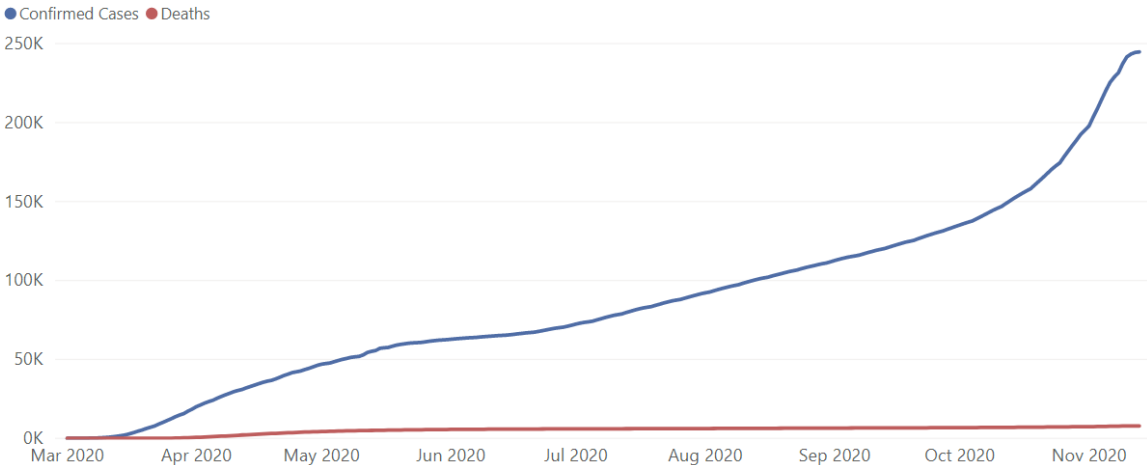
Cumulative cases represent the total number of people who had a positive diagnostic test for COVID-19. Cases are shown by the date of onset of symptoms. Cumulative Deaths represent the total number of people who had a confirmed COVID-19 infection and are classified as deceased by the case investigation, have COVID-19 indicated as a cause of death on their death certificate, or who die within 30 days of infection and their manner of death is listed as natural. Deaths are shown by date of death.

Filter By Date:

3/1/2020

11/13/2020

#### Cumulative Confirmed Cases and Deaths among Confirmed Cases by Date



### Cases by Demographic Characteristics

Data are suppressed when the number of cases is five or below to protect the confidentiality of individuals. The sum of the cases for individual categories may be fewer than the total number of cases due to data suppression. Rates are not calculated for multiple races, other, and unknown race categories due to the unavailability of an appropriate denominator.

Cases

Deaths

Select case status:

☒ Confirmed

☐ Probable

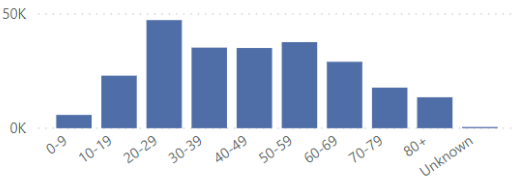
Select Preparedness Region:

All

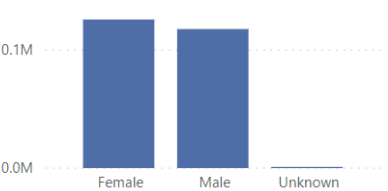
Select county:

All

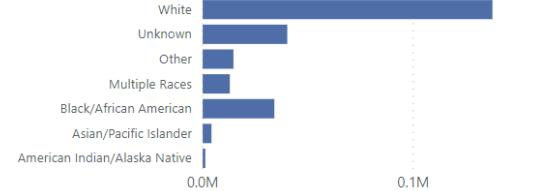
#### Cases by Age Group



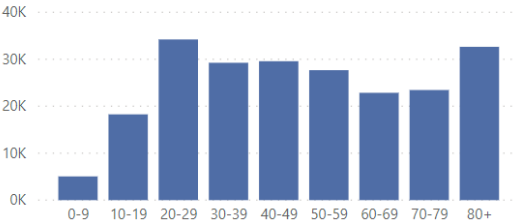
#### Cases by Sex



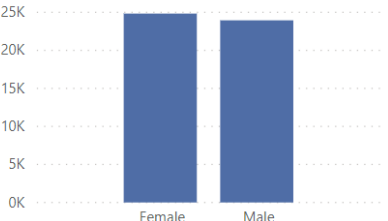
#### Cases by Race



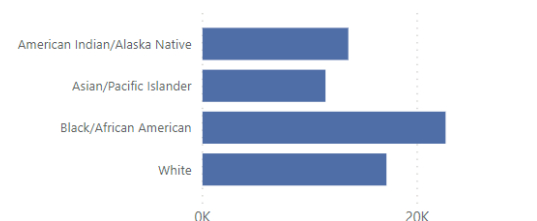
#### Cases per Million by Age Group



#### Cases per Million by Sex

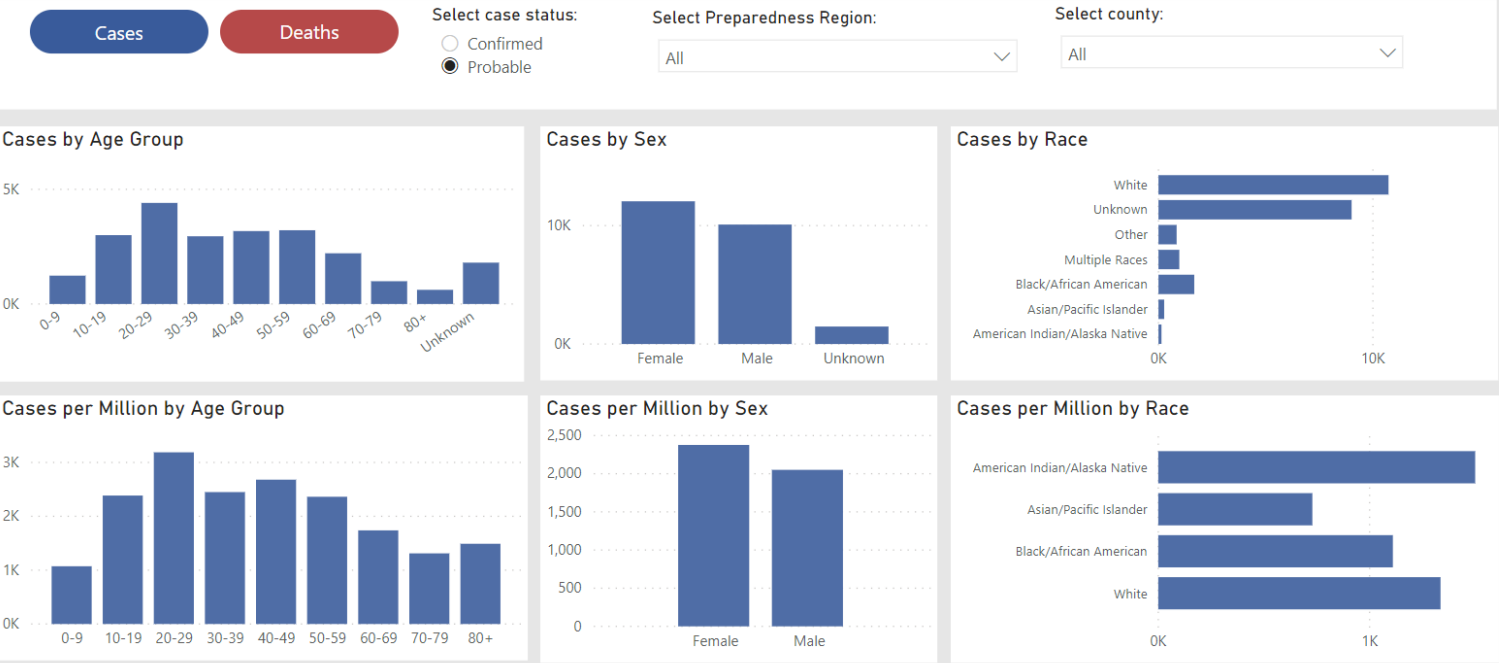


#### Cases per Million by Race



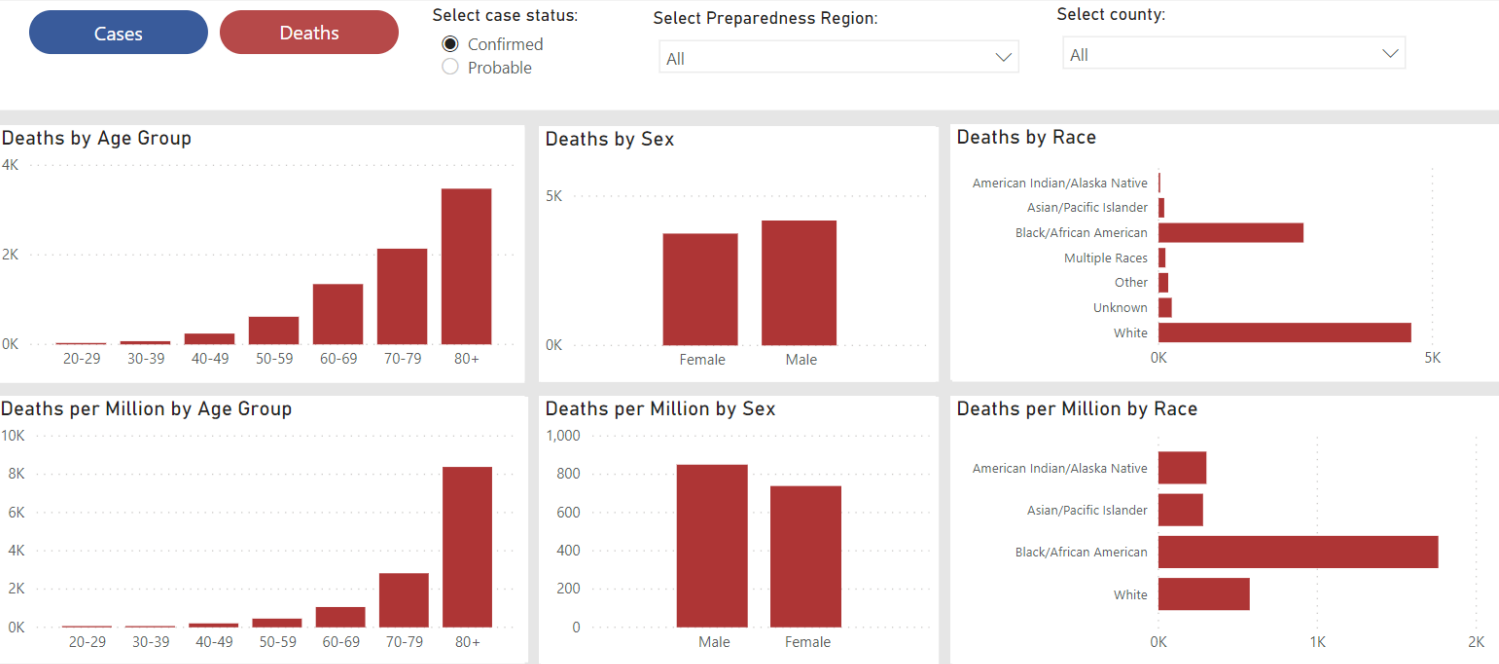
Cases by Demographic Characteristics

Data are suppressed when the number of cases is five or below to protect the confidentiality of individuals. The sum of the cases for individual categories may be fewer than the total number of cases due to data suppression. Rates are not calculated for multiple races, other, and unknown race categories due to the unavailability of an appropriate denominator.

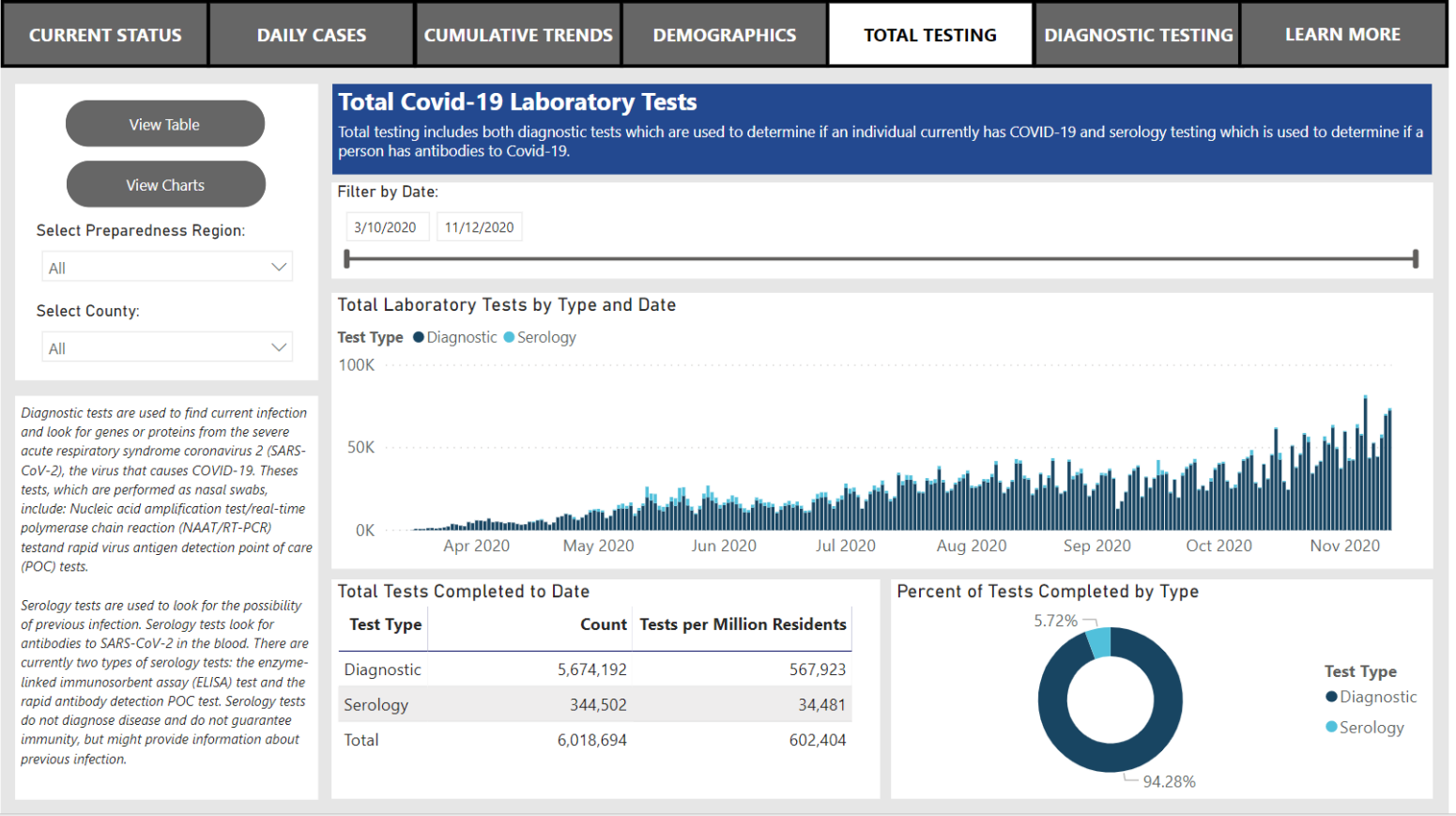
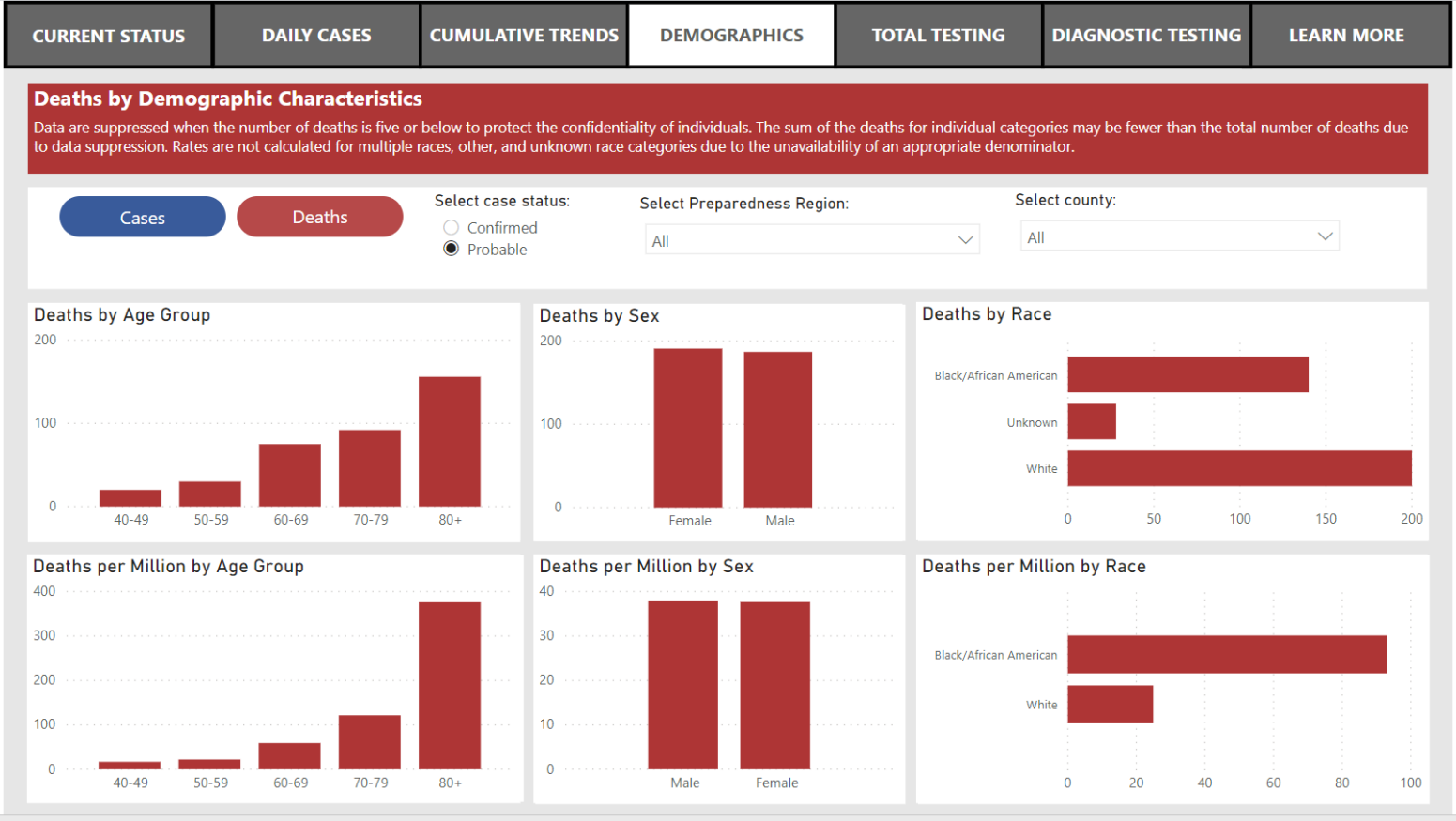


Deaths by Demographic Characteristics

Data are suppressed when the number of deaths is five or below to protect the confidentiality of individuals. The sum of the deaths for individual categories may be fewer than the total number of deaths due to data suppression. Rates are not calculated for multiple races, other, and unknown race categories due to the unavailability of an appropriate denominator.







CURRENT STATUS	DAILY CASES	CUMULATIVE TRENDS	DEMOGRAPHICS	TOTAL TESTING	DIAGNOSTIC TESTING	LEARN MORE
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### Diagnostic Covid-19 Laboratory Tests

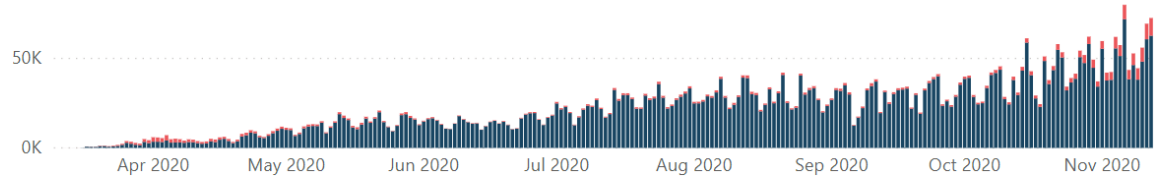
Diagnostic tests are used to determine if an individual is currently infected with Covid-19.

Filter by Date

3/10/2020 11/12/2020

#### Total Laboratory Tests by Type and Date

Test Type ● Negative ● Positive



#### Percent of Diagnostic Tests That Were Positive



Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests. Diagnostic tests do not include serology tests which look for antibodies to SARS-Cov-2 in the blood.

CURRENT STATUS	DAILY CASES	CUMULATIVE TRENDS	DEMOGRAPHICS	TOTAL TESTING	DIAGNOSTIC TESTING	LEARN MORE
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#### Where does the data come from?

The State of Michigan COVID-19 Dashboard displays the most recent provisional data reported to the Michigan Department of Health and Humans Services (MDHHS) about cases in Michigan by selected demographics and county of residence (City of Detroit and Wayne County are reported separately). Data are reported to MDHHS via the [Michigan Disease Surveillance System \(MDSS\)](#). Provisional Death data are provided by the MDHHS Division for [Vital Records & Health Statistics](#).

#### How does MDHHS classify confirmed and probable cases?

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19. Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

#### How does MDHHS classify confirmed and probable deaths?

Confirmed deaths include individuals who meet one or more of the following conditions: 1) Have been identified as a confirmed case and classified as deceased as a result of a case investigation in the Michigan Disease Surveillance System (MDSS). MDSS is the database used by state and local health department to monitor reportable diseases like COVID-19; 2) have been identified as a confirmed case in MDSS had a death certificate with COVID-19 listed as a cause of death; 3) have been identified as a confirmed case in MDSS and die within 30 days of onset of COVID-19 infection and have a death certificate which classifies their manner death as 'natural'. Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

#### Why do the number of probable cases fluctuate?

The number of probable cases can change daily based on the investigation efforts of the health department. When a probable case is first reported, local and/or state health department staff investigate to determine if the person meets the case definition of probable. As additional information is gathered, the case could be re-classified to confirmed, remain as probable, or be determined as not a case.

#### Why do data in the demographics tab not sum to the total number of cases for a county or region?

Data are not shown whenever the number of cases for a particular demographic category is fewer than six to protect the confidentiality of individuals. Rates are not calculated for other, multiple, and unknown race because an appropriate population denominator is not available for these categories at the county level.

#### Where can I get more information about COVID-19?

Visit <https://www.michigan.gov/coronavirus> to find information on resources and assistance, answers to frequently asked questions, and the latest updates on Michigan's response to COVID-19. For COVID-19 updates from CDC visit <https://www.cdc.gov/coronavirus/2019-ncov>.

# PUBLIC USE DATASETS

## Cases and Deaths by County

### README

Includes total cases and deaths to date by case status (confirmed or probable) and county.

County is based on the county of residence.

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19.

Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

Confirmed deaths include individuals who meet one or more of the following conditions: 1) Have been identified as a confirmed case and classified as deceased as a result of a case investigation in the Michigan Disease Surveillance System (MDSS). MDSS is the database used by state and local health department to monitor reportable diseases like COVID-19; 2) have been identified as a confirmed case in MDSS had have a death certificate with COVID-19 listed as a cause of death; 3) have been identified as a confirmed case in MDSS and die within 30 days of onset of COVID-19 infection and have a death certificate which classifies their manner death as 'natural'.

Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

The number of probable cases can change daily based on information obtained through the health department investigation. Probable cases can be re-classified as a confirmed case or determined to not be a case.

# **CASES AND DEATHS BY COUNTY 2020-11-13**

Updated	COUNTY	ConfirmedCases	ConfirmedDeaths	ProbableCases	ProbableDeaths
2020/11/13 13:41:29	Alcona	74	3	8	0
2020/11/13 13:41:29	Alger	121	1	45	0
2020/11/13 13:41:29	Allegan	2273	13	223	0
2020/11/13 13:41:29	Alpena	243	16	31	0
2020/11/13 13:41:29	Antrim	237	1	16	0
2020/11/13 13:41:29	Arenac	179	5	20	0
2020/11/13 13:41:29	Baraga	252	5	31	0
2020/11/13 13:41:29	Barry	1204	10	93	0
2020/11/13 13:41:29	Bay	2556	79	141	0
2020/11/13 13:41:29	Benzie	197	3	20	0
2020/11/13 13:41:29	Berrien	3896	96	348	4
2020/11/13 13:41:29	Branch	1309	17	165	2
2020/11/13 13:41:29	Calhoun	4101	92	548	4
2020/11/13 13:41:29	Cass	1415	26	137	0
2020/11/13 13:41:29	Charlevoix	305	5	35	0
2020/11/13 13:41:29	Cheboygan	274	13	32	0
2020/11/13 13:41:29	Chippewa	217	2	260	0
2020/11/13 13:41:29	Clare	432	19	65	1
2020/11/13 13:41:29	Clinton	1782	18	160	0
2020/11/13 13:41:29	Crawford	204	5	18	0
2020/11/13 13:41:29	Delta	1761	46	221	8
2020/11/13 13:41:29	Dickinson	1153	26	54	2
2020/11/13 13:41:29	Eaton	1801	23	156	0
2020/11/13 13:41:29	Emmet	641	18	46	0
2020/11/13 13:41:29	Genesee	8518	340	1403	28
2020/11/13 13:41:29	Gladwin	374	5	54	1
2020/11/13 13:41:29	Gogebic	455	9	172	10
2020/11/13 13:41:29	Grand Traverse	1119	15	108	0
2020/11/13 13:41:29	Gratiot	992	21	88	0
2020/11/13 13:41:29	Hillsdale	857	29	80	2
2020/11/13 13:41:29	Houghton	1023	8	207	1
2020/11/13 13:41:29	Huron	373	8	74	0
2020/11/13 13:41:29	Ingham	6229	81	124	0
2020/11/13 13:41:29	Ionia	1351	12	54	0
2020/11/13 13:41:29	Iosco	395	18	63	1
2020/11/13 13:41:29	Iron	560	25	33	4
2020/11/13 13:41:29	Isabella	1478	18	188	0
2020/11/13 13:41:29	Jackson	3048	82	56	2
2020/11/13 13:41:29	Kalamazoo	5955	134	1106	5
2020/11/13 13:41:29	Kalkaska	215	4	19	0
2020/11/13 13:41:29	Kent	21674	239	1260	4
2020/11/13 13:41:29	Keweenaw	33	1	1	0
2020/11/13 13:41:29	Lake	112	1	4	0
2020/11/13 13:41:29	Lapeer	1266	42	219	1
2020/11/13 13:41:29	Leelanau	226	2	15	0
2020/11/13 13:41:29	Lenawee	1567	21	73	0
2020/11/13 13:41:29	Livingston	3082	34	390	1

2020/11/13 13:41:29	Luce	105	0	37	0
2020/11/13 13:41:29	Mackinac	168	0	43	0
2020/11/13 13:41:29	Macomb	24934	1104	1387	52
2020/11/13 13:41:29	Manistee	218	5	16	0
2020/11/13 13:41:29	Marquette	1821	21	211	0
2020/11/13 13:41:29	Mason	373	4	32	0
2020/11/13 13:41:29	Mecosta	839	6	38	0
2020/11/13 13:41:29	Menominee	939	10	97	0
2020/11/13 13:41:29	Midland	1711	16	284	0
2020/11/13 13:41:29	Missaukee	160	1	19	0
2020/11/13 13:41:29	Monroe	2996	51	372	1
2020/11/13 13:41:29	Montcalm	1089	16	124	0
2020/11/13 13:41:29	Montmorency	68	0	9	0
2020/11/13 13:41:29	Muskegon	4484	110	105	0
2020/11/13 13:41:29	Newaygo	1026	8	29	0
2020/11/13 13:41:29	Oakland	28712	1222	5194	53
2020/11/13 13:41:29	Oceana	840	8	41	0
2020/11/13 13:41:29	Ogemaw	242	7	38	0
2020/11/13 13:41:29	Ontonagon	209	5	26	0
2020/11/13 13:41:29	Osceola	289	1	39	0
2020/11/13 13:41:29	Oscoda	67	2	22	0
2020/11/13 13:41:29	Otsego	457	13	55	1
2020/11/13 13:41:29	Ottawa	8722	89	326	6
2020/11/13 13:41:29	Presque Isle	126	1	16	1
2020/11/13 13:41:29	Roscommon	292	8	57	0
2020/11/13 13:41:29	Saginaw	5689	171	340	5
2020/11/13 13:41:29	Sanilac	394	9	8	1
2020/11/13 13:41:29	Schoolcraft	141	0	8	1
2020/11/13 13:41:29	Shiawassee	1209	35	49	1
2020/11/13 13:41:29	St Clair	2268	69	419	1
2020/11/13 13:41:29	St Joseph	1739	26	214	2
2020/11/13 13:41:29	Tuscola	1004	40	117	0
2020/11/13 13:41:29	Van Buren	1723	23	135	2
2020/11/13 13:41:29	Washtenaw	6558	122	810	0
2020/11/13 13:41:29	Wayne	28686	1384	2654	54
2020/11/13 13:41:29	Wexford	308	7	24	0
2020/11/13 13:41:29	MDOC	8823	76	102	0
2020/11/13 13:41:29	FCI	192	5	5	0
2020/11/13 13:41:29	Out-of-State	563	3	26	1
2020/11/13 13:41:29	Unknown	3	0	9	0
2020/11/13 13:41:29	Detroit City	17025	1560	1420	116

# PUBLIC USE DATASETS

## Cases by Demographics Statewide

### README

Includes the total number of confirmed and probable cases and confirmed and probable deaths to date by demographic characteristics

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19.

Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

Confirmed deaths include individuals who meet one or more of the following conditions: 1) Have been identified as a confirmed case and classified as deceased as a result of a case investigation in the Michigan Disease Surveillance System (MDSS). MDSS is the database used by state and local health department to monitor reportable diseases like COVID-19; 2) have been identified as a confirmed case in MDSS had have a death certificate with COVID-19 listed as a cause of death; 3) have been identified as a confirmed case in MDSS and die within 30 days of onset of COVID-19 infection and have a death certificate which classifies their manner death as 'natural'.

Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

The number of probable cases can change daily based on information obtained through the health department investigation. Probable cases can be re-classified as a confirmed case or determined to not be a case.

Data is suppressed when the number of cases or deaths in a single category is between one and five to protect the confidentiality of individuals.

# **CASES BY DEMOGRAPHICS STATEWIDE 2020-11-13**

CASE_STATUS	AgeCat	RaceCat	SEX	Cases	Deaths
Confirmed	0-9	American Indian/Alaska Native	Female	22	0
Confirmed	10-19	American Indian/Alaska Native	Female	82	0
Confirmed	20-29	American Indian/Alaska Native	Female	144	0
Confirmed	30-39	American Indian/Alaska Native	Female	111	0
Confirmed	40-49	American Indian/Alaska Native	Female	95	0
Confirmed	50-59	American Indian/Alaska Native	Female	103	0
Confirmed	60-69	American Indian/Alaska Native	Female	56	Suppressed
Confirmed	70-79	American Indian/Alaska Native	Female	34	Suppressed
Confirmed	80+	American Indian/Alaska Native	Female	13	Suppressed
Confirmed	Unknown	American Indian/Alaska Native	Female	0	0
Confirmed	0-9	Asian/Pacific Islander	Female	54	0
Confirmed	10-19	Asian/Pacific Islander	Female	199	0
Confirmed	20-29	Asian/Pacific Islander	Female	422	0
Confirmed	30-39	Asian/Pacific Islander	Female	393	0
Confirmed	40-49	Asian/Pacific Islander	Female	369	0
Confirmed	50-59	Asian/Pacific Islander	Female	322	Suppressed
Confirmed	60-69	Asian/Pacific Islander	Female	177	Suppressed
Confirmed	70-79	Asian/Pacific Islander	Female	86	11
Confirmed	80+	Asian/Pacific Islander	Female	75	25
Confirmed	Unknown	Asian/Pacific Islander	Female	0	0
Confirmed	0-9	Black/African American	Female	278	Suppressed
Confirmed	10-19	Black/African American	Female	814	Suppressed
Confirmed	20-29	Black/African American	Female	2929	Suppressed
Confirmed	30-39	Black/African American	Female	2766	8
Confirmed	40-49	Black/African American	Female	2702	56
Confirmed	50-59	Black/African American	Female	2573	115
Confirmed	60-69	Black/African American	Female	2306	243
Confirmed	70-79	Black/African American	Female	1492	331
Confirmed	80+	Black/African American	Female	1150	453
Confirmed	Unknown	Black/African American	Female	Suppressed	0
Confirmed	0-9	Multiple Races	Female	167	0
Confirmed	10-19	Multiple Races	Female	716	0
Confirmed	20-29	Multiple Races	Female	1385	Suppressed
Confirmed	30-39	Multiple Races	Female	1019	0
Confirmed	40-49	Multiple Races	Female	1097	Suppressed
Confirmed	50-59	Multiple Races	Female	1192	Suppressed
Confirmed	60-69	Multiple Races	Female	782	Suppressed
Confirmed	70-79	Multiple Races	Female	379	14
Confirmed	80+	Multiple Races	Female	279	27
Confirmed	Unknown	Multiple Races	Female	6	0
Confirmed	0-9	Other	Female	296	0
Confirmed	10-19	Other	Female	885	0
Confirmed	20-29	Other	Female	1640	0
Confirmed	30-39	Other	Female	1196	Suppressed
Confirmed	40-49	Other	Female	1138	Suppressed
Confirmed	50-59	Other	Female	804	6
Confirmed	60-69	Other	Female	527	16

Confirmed	70-79	Other	Female	306	19
Confirmed	80+	Other	Female	234	33
Confirmed	Unknown	Other	Female	Suppressed	0
Confirmed	0-9	Unknown	Female	440	0
Confirmed	10-19	Unknown	Female	1849	0
Confirmed	20-29	Unknown	Female	3912	Suppressed
Confirmed	30-39	Unknown	Female	2954	0
Confirmed	40-49	Unknown	Female	3088	Suppressed
Confirmed	50-59	Unknown	Female	3193	7
Confirmed	60-69	Unknown	Female	2193	18
Confirmed	70-79	Unknown	Female	1148	26
Confirmed	80+	Unknown	Female	1126	56
Confirmed	Unknown	Unknown	Female	59	0
Confirmed	0-9	White	Female	1519	0
Confirmed	10-19	White	Female	7430	0
Confirmed	20-29	White	Female	14529	Suppressed
Confirmed	30-39	White	Female	9428	11
Confirmed	40-49	White	Female	9536	30
Confirmed	50-59	White	Female	10578	87
Confirmed	60-69	White	Female	8161	225
Confirmed	70-79	White	Female	5427	506
Confirmed	80+	White	Female	5497	1378
Confirmed	Unknown	White	Female	43	0
Confirmed	0-9	American Indian/Alaska Native	Male	25	0
Confirmed	10-19	American Indian/Alaska Native	Male	56	0
Confirmed	20-29	American Indian/Alaska Native	Male	103	0
Confirmed	30-39	American Indian/Alaska Native	Male	93	0
Confirmed	40-49	American Indian/Alaska Native	Male	104	0
Confirmed	50-59	American Indian/Alaska Native	Male	97	Suppressed
Confirmed	60-69	American Indian/Alaska Native	Male	68	9
Confirmed	70-79	American Indian/Alaska Native	Male	35	9
Confirmed	80+	American Indian/Alaska Native	Male	13	Suppressed
Confirmed	Unknown	American Indian/Alaska Native	Male	0	0
Confirmed	0-9	Asian/Pacific Islander	Male	73	0
Confirmed	10-19	Asian/Pacific Islander	Male	168	0
Confirmed	20-29	Asian/Pacific Islander	Male	495	0
Confirmed	30-39	Asian/Pacific Islander	Male	391	0
Confirmed	40-49	Asian/Pacific Islander	Male	325	Suppressed
Confirmed	50-59	Asian/Pacific Islander	Male	280	Suppressed
Confirmed	60-69	Asian/Pacific Islander	Male	197	15
Confirmed	70-79	Asian/Pacific Islander	Male	84	21
Confirmed	80+	Asian/Pacific Islander	Male	47	19
Confirmed	Unknown	Asian/Pacific Islander	Male	0	0
Confirmed	0-9	Black/African American	Male	287	0
Confirmed	10-19	Black/African American	Male	828	0
Confirmed	20-29	Black/African American	Male	2673	11
Confirmed	30-39	Black/African American	Male	2798	29
Confirmed	40-49	Black/African American	Male	2773	75
Confirmed	50-59	Black/African American	Male	2912	206
Confirmed	60-69	Black/African American	Male	2533	358



Confirmed	70-79	Black/African American	Male	1483	436
Confirmed	80+	Black/African American	Male	679	319
Confirmed	Unknown	Black/African American	Male	Suppressed	0
Confirmed	0-9	Multiple Races	Male	210	Suppressed
Confirmed	10-19	Multiple Races	Male	659	0
Confirmed	20-29	Multiple Races	Male	1133	0
Confirmed	30-39	Multiple Races	Male	814	Suppressed
Confirmed	40-49	Multiple Races	Male	874	Suppressed
Confirmed	50-59	Multiple Races	Male	931	6
Confirmed	60-69	Multiple Races	Male	690	23
Confirmed	70-79	Multiple Races	Male	348	16
Confirmed	80+	Multiple Races	Male	157	22
Confirmed	Unknown	Multiple Races	Male	Suppressed	0
Confirmed	0-9	Other	Male	323	0
Confirmed	10-19	Other	Male	924	0
Confirmed	20-29	Other	Male	1761	Suppressed
Confirmed	30-39	Other	Male	1345	Suppressed
Confirmed	40-49	Other	Male	1221	7
Confirmed	50-59	Other	Male	950	10
Confirmed	60-69	Other	Male	569	31
Confirmed	70-79	Other	Male	301	27
Confirmed	80+	Other	Male	142	20
Confirmed	Unknown	Other	Male	Suppressed	0
Confirmed	0-9	Unknown	Male	461	0
Confirmed	10-19	Unknown	Male	1859	0
Confirmed	20-29	Unknown	Male	4023	0
Confirmed	30-39	Unknown	Male	3129	Suppressed
Confirmed	40-49	Unknown	Male	2895	12
Confirmed	50-59	Unknown	Male	3271	12
Confirmed	60-69	Unknown	Male	2209	21
Confirmed	70-79	Unknown	Male	1058	35
Confirmed	80+	Unknown	Male	584	45
Confirmed	Unknown	Unknown	Male	49	0
Confirmed	0-9	White	Male	1641	0
Confirmed	10-19	White	Male	6409	0
Confirmed	20-29	White	Male	11919	7
Confirmed	30-39	White	Male	8700	18
Confirmed	40-49	White	Male	8722	49
Confirmed	50-59	White	Male	10327	158
Confirmed	60-69	White	Male	8516	380
Confirmed	70-79	White	Male	5534	684
Confirmed	80+	White	Male	3507	1076
Confirmed	Unknown	White	Male	40	0
Confirmed	0-9	American Indian/Alaska Native	Unknown	0	0
Confirmed	10-19	American Indian/Alaska Native	Unknown	0	0
Confirmed	20-29	American Indian/Alaska Native	Unknown	0	0
Confirmed	30-39	American Indian/Alaska Native	Unknown	Suppressed	0
Confirmed	40-49	American Indian/Alaska Native	Unknown	0	0
Confirmed	50-59	American Indian/Alaska Native	Unknown	Suppressed	0
Confirmed	60-69	American Indian/Alaska Native	Unknown	0	0

Confirmed	70-79	American Indian/Alaska Native	Unknown	Suppressed	0
Confirmed	80+	American Indian/Alaska Native	Unknown	0	0
Confirmed	Unknown	American Indian/Alaska Native	Unknown	0	0
Confirmed	0-9	Asian/Pacific Islander	Unknown	0	0
Confirmed	10-19	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	20-29	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	30-39	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	40-49	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	50-59	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	60-69	Asian/Pacific Islander	Unknown	0	0
Confirmed	70-79	Asian/Pacific Islander	Unknown	0	0
Confirmed	80+	Asian/Pacific Islander	Unknown	0	0
Confirmed	Unknown	Asian/Pacific Islander	Unknown	0	0
Confirmed	0-9	Black/African American	Unknown	Suppressed	0
Confirmed	10-19	Black/African American	Unknown	8	0
Confirmed	20-29	Black/African American	Unknown	7	0
Confirmed	30-39	Black/African American	Unknown	Suppressed	0
Confirmed	40-49	Black/African American	Unknown	Suppressed	0
Confirmed	50-59	Black/African American	Unknown	8	0
Confirmed	60-69	Black/African American	Unknown	Suppressed	0
Confirmed	70-79	Black/African American	Unknown	Suppressed	0
Confirmed	80+	Black/African American	Unknown	Suppressed	0
Confirmed	Unknown	Black/African American	Unknown	0	0
Confirmed	0-9	Multiple Races	Unknown	Suppressed	0
Confirmed	10-19	Multiple Races	Unknown	7	0
Confirmed	20-29	Multiple Races	Unknown	14	0
Confirmed	30-39	Multiple Races	Unknown	8	0
Confirmed	40-49	Multiple Races	Unknown	6	0
Confirmed	50-59	Multiple Races	Unknown	6	0
Confirmed	60-69	Multiple Races	Unknown	Suppressed	0
Confirmed	70-79	Multiple Races	Unknown	Suppressed	0
Confirmed	80+	Multiple Races	Unknown	Suppressed	0
Confirmed	Unknown	Multiple Races	Unknown	Suppressed	0
Confirmed	0-9	Other	Unknown	Suppressed	0
Confirmed	10-19	Other	Unknown	Suppressed	0
Confirmed	20-29	Other	Unknown	8	0
Confirmed	30-39	Other	Unknown	7	0
Confirmed	40-49	Other	Unknown	10	0
Confirmed	50-59	Other	Unknown	Suppressed	0
Confirmed	60-69	Other	Unknown	Suppressed	0
Confirmed	70-79	Other	Unknown	0	0
Confirmed	80+	Other	Unknown	Suppressed	0
Confirmed	Unknown	Other	Unknown	Suppressed	0
Confirmed	0-9	Unknown	Unknown	18	0
Confirmed	10-19	Unknown	Unknown	65	0
Confirmed	20-29	Unknown	Unknown	165	0
Confirmed	30-39	Unknown	Unknown	78	0
Confirmed	40-49	Unknown	Unknown	118	0
Confirmed	50-59	Unknown	Unknown	105	Suppressed
Confirmed	60-69	Unknown	Unknown	51	0

Confirmed	70-79	Unknown	Unknown	25	0
Confirmed	80+	Unknown	Unknown	29	0
Confirmed	Unknown	Unknown	Unknown	14	0
Confirmed	0-9	White	Unknown	Suppressed	0
Confirmed	10-19	White	Unknown	30	0
Confirmed	20-29	White	Unknown	44	0
Confirmed	30-39	White	Unknown	25	0
Confirmed	40-49	White	Unknown	19	0
Confirmed	50-59	White	Unknown	13	0
Confirmed	60-69	White	Unknown	20	0
Confirmed	70-79	White	Unknown	8	0
Confirmed	80+	White	Unknown	6	0
Confirmed	Unknown	White	Unknown	Suppressed	0
Probable	0-9	American Indian/Alaska Native	Female	7	0
Probable	10-19	American Indian/Alaska Native	Female	13	0
Probable	20-29	American Indian/Alaska Native	Female	19	0
Probable	30-39	American Indian/Alaska Native	Female	8	0
Probable	40-49	American Indian/Alaska Native	Female	9	0
Probable	50-59	American Indian/Alaska Native	Female	9	0
Probable	60-69	American Indian/Alaska Native	Female	Suppressed	0
Probable	70-79	American Indian/Alaska Native	Female	Suppressed	0
Probable	80+	American Indian/Alaska Native	Female	Suppressed	0
Probable	Unknown	American Indian/Alaska Native	Female	Suppressed	0
Probable	0-9	Asian/Pacific Islander	Female	11	0
Probable	10-19	Asian/Pacific Islander	Female	21	0
Probable	20-29	Asian/Pacific Islander	Female	34	0
Probable	30-39	Asian/Pacific Islander	Female	24	0
Probable	40-49	Asian/Pacific Islander	Female	15	0
Probable	50-59	Asian/Pacific Islander	Female	19	0
Probable	60-69	Asian/Pacific Islander	Female	7	0
Probable	70-79	Asian/Pacific Islander	Female	Suppressed	0
Probable	80+	Asian/Pacific Islander	Female	0	0
Probable	Unknown	Asian/Pacific Islander	Female	Suppressed	0
Probable	0-9	Black/African American	Female	42	0
Probable	10-19	Black/African American	Female	65	0
Probable	20-29	Black/African American	Female	164	0
Probable	30-39	Black/African American	Female	134	0
Probable	40-49	Black/African American	Female	156	Suppressed
Probable	50-59	Black/African American	Female	168	8
Probable	60-69	Black/African American	Female	126	12
Probable	70-79	Black/African American	Female	52	13
Probable	80+	Black/African American	Female	38	25
Probable	Unknown	Black/African American	Female	11	0
Probable	0-9	Multiple Races	Female	36	0
Probable	10-19	Multiple Races	Female	80	0
Probable	20-29	Multiple Races	Female	100	0
Probable	30-39	Multiple Races	Female	47	0
Probable	40-49	Multiple Races	Female	76	0
Probable	50-59	Multiple Races	Female	72	0
Probable	60-69	Multiple Races	Female	49	0

Probable	70-79	Multiple Races	Female	17	0
Probable	80+	Multiple Races	Female	11	Suppressed
Probable	Unknown	Multiple Races	Female	18	0
Probable	0-9	Other	Female	34	0
Probable	10-19	Other	Female	72	0
Probable	20-29	Other	Female	100	0
Probable	30-39	Other	Female	69	0
Probable	40-49	Other	Female	71	0
Probable	50-59	Other	Female	35	Suppressed
Probable	60-69	Other	Female	21	Suppressed
Probable	70-79	Other	Female	11	0
Probable	80+	Other	Female	Suppressed	0
Probable	Unknown	Other	Female	9	0
Probable	0-9	Unknown	Female	97	0
Probable	10-19	Unknown	Female	381	0
Probable	20-29	Unknown	Female	728	0
Probable	30-39	Unknown	Female	518	0
Probable	40-49	Unknown	Female	592	0
Probable	50-59	Unknown	Female	613	0
Probable	60-69	Unknown	Female	459	Suppressed
Probable	70-79	Unknown	Female	176	0
Probable	80+	Unknown	Female	124	7
Probable	Unknown	Unknown	Female	462	0
Probable	0-9	White	Female	349	0
Probable	10-19	White	Female	861	0
Probable	20-29	White	Female	1138	0
Probable	30-39	White	Female	694	0
Probable	40-49	White	Female	807	Suppressed
Probable	50-59	White	Female	820	Suppressed
Probable	60-69	White	Female	512	17
Probable	70-79	White	Female	267	26
Probable	80+	White	Female	207	63
Probable	Unknown	White	Female	152	0
Probable	0-9	American Indian/Alaska Native	Male	7	0
Probable	10-19	American Indian/Alaska Native	Male	16	0
Probable	20-29	American Indian/Alaska Native	Male	11	0
Probable	30-39	American Indian/Alaska Native	Male	8	0
Probable	40-49	American Indian/Alaska Native	Male	8	0
Probable	50-59	American Indian/Alaska Native	Male	7	0
Probable	60-69	American Indian/Alaska Native	Male	Suppressed	0
Probable	70-79	American Indian/Alaska Native	Male	0	0
Probable	80+	American Indian/Alaska Native	Male	Suppressed	Suppressed
Probable	Unknown	American Indian/Alaska Native	Male	Suppressed	0
Probable	0-9	Asian/Pacific Islander	Male	19	0
Probable	10-19	Asian/Pacific Islander	Male	14	0
Probable	20-29	Asian/Pacific Islander	Male	37	0
Probable	30-39	Asian/Pacific Islander	Male	27	0
Probable	40-49	Asian/Pacific Islander	Male	11	0
Probable	50-59	Asian/Pacific Islander	Male	11	0
Probable	60-69	Asian/Pacific Islander	Male	Suppressed	0

Probable	70-79	Asian/Pacific Islander	Male	Suppressed	Suppressed
Probable	80+	Asian/Pacific Islander	Male	0	0
Probable	Unknown	Asian/Pacific Islander	Male	0	0
Probable	0-9	Black/African American	Male	42	0
Probable	10-19	Black/African American	Male	74	0
Probable	20-29	Black/African American	Male	117	0
Probable	30-39	Black/African American	Male	92	0
Probable	40-49	Black/African American	Male	87	8
Probable	50-59	Black/African American	Male	109	8
Probable	60-69	Black/African American	Male	102	21
Probable	70-79	Black/African American	Male	50	27
Probable	80+	Black/African American	Male	21	15
Probable	Unknown	Black/African American	Male	6	0
Probable	0-9	Multiple Races	Male	37	0
Probable	10-19	Multiple Races	Male	75	0
Probable	20-29	Multiple Races	Male	84	0
Probable	30-39	Multiple Races	Male	53	0
Probable	40-49	Multiple Races	Male	58	Suppressed
Probable	50-59	Multiple Races	Male	51	0
Probable	60-69	Multiple Races	Male	34	0
Probable	70-79	Multiple Races	Male	18	0
Probable	80+	Multiple Races	Male	Suppressed	Suppressed
Probable	Unknown	Multiple Races	Male	24	0
Probable	0-9	Other	Male	27	0
Probable	10-19	Other	Male	74	0
Probable	20-29	Other	Male	88	0
Probable	30-39	Other	Male	76	0
Probable	40-49	Other	Male	71	0
Probable	50-59	Other	Male	32	0
Probable	60-69	Other	Male	23	Suppressed
Probable	70-79	Other	Male	11	Suppressed
Probable	80+	Other	Male	Suppressed	0
Probable	Unknown	Other	Male	9	0
Probable	0-9	Unknown	Male	115	0
Probable	10-19	Unknown	Male	402	0
Probable	20-29	Unknown	Male	635	0
Probable	30-39	Unknown	Male	509	Suppressed
Probable	40-49	Unknown	Male	467	Suppressed
Probable	50-59	Unknown	Male	513	0
Probable	60-69	Unknown	Male	337	Suppressed
Probable	70-79	Unknown	Male	143	Suppressed
Probable	80+	Unknown	Male	68	8
Probable	Unknown	Unknown	Male	339	0
Probable	0-9	White	Male	370	0
Probable	10-19	White	Male	775	0
Probable	20-29	White	Male	986	Suppressed
Probable	30-39	White	Male	573	Suppressed
Probable	40-49	White	Male	606	Suppressed
Probable	50-59	White	Male	635	8
Probable	60-69	White	Male	438	16

Probable	70-79	White	Male	197	19
Probable	80+	White	Male	127	34
Probable	Unknown	White	Male	115	0
Probable	0-9	American Indian/Alaska Native	Unknown	0	0
Probable	10-19	American Indian/Alaska Native	Unknown	0	0
Probable	20-29	American Indian/Alaska Native	Unknown	Suppressed	0
Probable	30-39	American Indian/Alaska Native	Unknown	0	0
Probable	40-49	American Indian/Alaska Native	Unknown	0	0
Probable	50-59	American Indian/Alaska Native	Unknown	0	0
Probable	60-69	American Indian/Alaska Native	Unknown	0	0
Probable	70-79	American Indian/Alaska Native	Unknown	0	0
Probable	80+	American Indian/Alaska Native	Unknown	0	0
Probable	Unknown	American Indian/Alaska Native	Unknown	0	0
Probable	0-9	Asian/Pacific Islander	Unknown	0	0
Probable	10-19	Asian/Pacific Islander	Unknown	0	0
Probable	20-29	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	30-39	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	40-49	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	50-59	Asian/Pacific Islander	Unknown	0	0
Probable	60-69	Asian/Pacific Islander	Unknown	0	0
Probable	70-79	Asian/Pacific Islander	Unknown	0	0
Probable	80+	Asian/Pacific Islander	Unknown	0	0
Probable	Unknown	Asian/Pacific Islander	Unknown	0	0
Probable	0-9	Black/African American	Unknown	0	0
Probable	10-19	Black/African American	Unknown	0	0
Probable	20-29	Black/African American	Unknown	Suppressed	0
Probable	30-39	Black/African American	Unknown	Suppressed	0
Probable	40-49	Black/African American	Unknown	Suppressed	0
Probable	50-59	Black/African American	Unknown	Suppressed	0
Probable	60-69	Black/African American	Unknown	Suppressed	0
Probable	70-79	Black/African American	Unknown	0	0
Probable	80+	Black/African American	Unknown	0	0
Probable	Unknown	Black/African American	Unknown	Suppressed	0
Probable	0-9	Multiple Races	Unknown	Suppressed	0
Probable	10-19	Multiple Races	Unknown	Suppressed	0
Probable	20-29	Multiple Races	Unknown	9	0
Probable	30-39	Multiple Races	Unknown	Suppressed	0
Probable	40-49	Multiple Races	Unknown	Suppressed	0
Probable	50-59	Multiple Races	Unknown	Suppressed	0
Probable	60-69	Multiple Races	Unknown	Suppressed	0
Probable	70-79	Multiple Races	Unknown	0	0
Probable	80+	Multiple Races	Unknown	0	0
Probable	Unknown	Multiple Races	Unknown	Suppressed	0
Probable	0-9	Other	Unknown	Suppressed	0
Probable	10-19	Other	Unknown	Suppressed	0
Probable	20-29	Other	Unknown	0	0
Probable	30-39	Other	Unknown	0	0
Probable	40-49	Other	Unknown	Suppressed	0
Probable	50-59	Other	Unknown	Suppressed	0
Probable	60-69	Other	Unknown	Suppressed	0

Probable	70-79	Other	Unknown	0	0
Probable	80+	Other	Unknown	0	0
Probable	Unknown	Other	Unknown	Suppressed	0
Probable	0-9	Unknown	Unknown	29	0
Probable	10-19	Unknown	Unknown	59	0
Probable	20-29	Unknown	Unknown	141	0
Probable	30-39	Unknown	Unknown	108	0
Probable	40-49	Unknown	Unknown	126	0
Probable	50-59	Unknown	Unknown	103	0
Probable	60-69	Unknown	Unknown	81	0
Probable	70-79	Unknown	Unknown	38	Suppressed
Probable	80+	Unknown	Unknown	9	0
Probable	Unknown	Unknown	Unknown	634	0
Probable	0-9	White	Unknown	9	0
Probable	10-19	White	Unknown	17	0
Probable	20-29	White	Unknown	12	0
Probable	30-39	White	Unknown	7	0
Probable	40-49	White	Unknown	14	0
Probable	50-59	White	Unknown	14	0
Probable	60-69	White	Unknown	Suppressed	0
Probable	70-79	White	Unknown	Suppressed	0
Probable	80+	White	Unknown	Suppressed	0
Probable	Unknown	White	Unknown	14	0

# PUBLIC USE DATASETS

## COVID-19 Tests by County

### README

Data includes tests by type (diagnostic, serology or total combined) by county.

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Serology tests are used to look for the possibility of previous infection. Serology tests look for antibodies to SARS-CoV-2 in the blood. There are currently two types of serology tests: the enzyme-linked immunosorbent assay (ELISA) test and the rapid antibody detection POC test. Serology tests do not diagnose disease and do not guarantee immunity, but might provide information about previous infection.

Correctional includes state and federal prisons and county and city detection facilities. Testing data represents total tests performed, not individuals tested. A single individual may have more than one test completed.



# COVID-19 TESTS BY COUNTY 2020-11-13

Updated	COUNTY	TestType	Count	RatePerMillion
2020/11/13 13:41:34	Alcona	Serology	83	7977
2020/11/13 13:41:34	Alcona	Diagnostic	3008	289092
2020/11/13 13:41:34	Alcona	Total	3091	297069
2020/11/13 13:41:34	Alger	Diagnostic	3241	355841
2020/11/13 13:41:34	Alger	Serology	122	13395
2020/11/13 13:41:34	Alger	Total	3363	369236
2020/11/13 13:41:34	Allegan	Diagnostic	52142	441578
2020/11/13 13:41:34	Allegan	Serology	1355	11475
2020/11/13 13:41:34	Allegan	Total	53497	453053
2020/11/13 13:41:34	Alpena	Diagnostic	5082	178912
2020/11/13 13:41:34	Alpena	Serology	301	10597
2020/11/13 13:41:34	Alpena	Total	5383	189509
2020/11/13 13:41:34	Antrim	Diagnostic	8669	371677
2020/11/13 13:41:34	Antrim	Serology	313	13420
2020/11/13 13:41:34	Antrim	Total	8982	385097
2020/11/13 13:41:34	Arenac	Diagnostic	5973	401330
2020/11/13 13:41:34	Arenac	Serology	225	15118
2020/11/13 13:41:34	Arenac	Total	6198	416448
2020/11/13 13:41:34	Baraga	Diagnostic	3976	484346
2020/11/13 13:41:34	Baraga	Serology	47	5725
2020/11/13 13:41:34	Baraga	Total	4023	490072
2020/11/13 13:41:34	Barry	Diagnostic	25810	419334
2020/11/13 13:41:34	Barry	Serology	961	15613
2020/11/13 13:41:34	Barry	Total	26771	434947
2020/11/13 13:41:34	Bay	Diagnostic	55286	536101
2020/11/13 13:41:34	Bay	Serology	3043	29508
2020/11/13 13:41:34	Bay	Total	58329	565609
2020/11/13 13:41:34	Benzie	Diagnostic	6633	373354
2020/11/13 13:41:34	Benzie	Serology	315	17730
2020/11/13 13:41:34	Benzie	Total	6948	391084
2020/11/13 13:41:34	Berrien	Diagnostic	105472	687557
2020/11/13 13:41:34	Berrien	Serology	2919	19029
2020/11/13 13:41:34	Berrien	Total	108391	706586
2020/11/13 13:41:34	Branch	Diagnostic	18438	423696
2020/11/13 13:41:34	Branch	Serology	215	4941
2020/11/13 13:41:34	Branch	Total	18653	428637
2020/11/13 13:41:34	Calhoun	Diagnostic	98003	730499
2020/11/13 13:41:34	Calhoun	Serology	1003	7476
2020/11/13 13:41:34	Calhoun	Total	99006	737975
2020/11/13 13:41:34	Cass	Serology	371	7164
2020/11/13 13:41:34	Cass	Diagnostic	19218	371097
2020/11/13 13:41:34	Cass	Total	19589	378261
2020/11/13 13:41:34	Charlevoix	Diagnostic	10925	417894
2020/11/13 13:41:34	Charlevoix	Serology	623	23830
2020/11/13 13:41:34	Charlevoix	Total	11548	441724
2020/11/13 13:41:34	Cheboygan	Diagnostic	6212	245767
2020/11/13 13:41:34	Cheboygan	Serology	300	11869

2020/11/13 13:41:34	Cheboygan	Total	6512	257636
2020/11/13 13:41:34	Chippewa	Diagnostic	8668	232081
2020/11/13 13:41:34	Chippewa	Serology	173	4632
2020/11/13 13:41:34	Chippewa	Total	8841	236713
2020/11/13 13:41:34	Clare	Serology	466	15057
2020/11/13 13:41:34	Clare	Diagnostic	7579	244879
2020/11/13 13:41:34	Clare	Total	8045	259935
2020/11/13 13:41:34	Clinton	Serology	2772	34826
2020/11/13 13:41:34	Clinton	Diagnostic	27151	341114
2020/11/13 13:41:34	Clinton	Total	29923	375941
2020/11/13 13:41:34	Correctional	Serology	12639	
2020/11/13 13:41:34	Correctional	Diagnostic	277842	
2020/11/13 13:41:34	Correctional	Total	290481	
2020/11/13 13:41:34	Crawford	Diagnostic	4461	317984
2020/11/13 13:41:34	Crawford	Serology	135	9623
2020/11/13 13:41:34	Crawford	Total	4596	327607
2020/11/13 13:41:34	Delta	Diagnostic	20486	572490
2020/11/13 13:41:34	Delta	Serology	323	9026
2020/11/13 13:41:34	Delta	Total	20809	581517
2020/11/13 13:41:34	Detroit City	Diagnostic	380136	585001
2020/11/13 13:41:34	Detroit City	Serology	16994	26153
2020/11/13 13:41:34	Detroit City	Total	397130	611154
2020/11/13 13:41:34	Dickinson	Diagnostic	7152	283371
2020/11/13 13:41:34	Dickinson	Serology	79	3130
2020/11/13 13:41:34	Dickinson	Total	7231	286501
2020/11/13 13:41:34	Eaton	Serology	4348	39431
2020/11/13 13:41:34	Eaton	Diagnostic	58295	528667
2020/11/13 13:41:34	Eaton	Total	62643	568098
2020/11/13 13:41:34	Emmet	Diagnostic	14241	426186
2020/11/13 13:41:34	Emmet	Serology	1009	30196
2020/11/13 13:41:34	Emmet	Total	15250	456382
2020/11/13 13:41:34	Genesee	Diagnostic	162612	400707
2020/11/13 13:41:34	Genesee	Serology	12670	31221
2020/11/13 13:41:34	Genesee	Total	175282	431928
2020/11/13 13:41:34	Gladwin	Diagnostic	7756	304766
2020/11/13 13:41:34	Gladwin	Serology	435	17093
2020/11/13 13:41:34	Gladwin	Total	8191	321859
2020/11/13 13:41:34	Gogebic	Diagnostic	11912	852379
2020/11/13 13:41:34	Gogebic	Serology	141	10089
2020/11/13 13:41:34	Gogebic	Total	12053	862469
2020/11/13 13:41:34	Grand Traverse	Serology	2443	26244
2020/11/13 13:41:34	Grand Traverse	Diagnostic	37144	399020
2020/11/13 13:41:34	Grand Traverse	Total	39587	425264
2020/11/13 13:41:34	Gratiot	Diagnostic	26234	644396
2020/11/13 13:41:34	Gratiot	Serology	575	14124
2020/11/13 13:41:34	Gratiot	Total	26809	658520
2020/11/13 13:41:34	Hillsdale	Diagnostic	19477	427080
2020/11/13 13:41:34	Hillsdale	Serology	388	8508
2020/11/13 13:41:34	Hillsdale	Total	19865	435588
2020/11/13 13:41:34	Houghton	Diagnostic	20508	574711

2020/11/13 13:41:34	Houghton	Serology	166	4652
2020/11/13 13:41:34	Houghton	Total	20674	579363
2020/11/13 13:41:34	Huron	Diagnostic	14356	463381
2020/11/13 13:41:34	Huron	Serology	324	10458
2020/11/13 13:41:34	Huron	Total	14680	473839
2020/11/13 13:41:34	Ingham	Diagnostic	161525	552400
2020/11/13 13:41:34	Ingham	Serology	14760	50478
2020/11/13 13:41:34	Ingham	Total	176285	602878
2020/11/13 13:41:34	Ionia	Serology	1341	20727
2020/11/13 13:41:34	Ionia	Diagnostic	34058	526423
2020/11/13 13:41:34	Ionia	Total	35399	547151
2020/11/13 13:41:34	Iosco	Diagnostic	11249	447686
2020/11/13 13:41:34	Iosco	Serology	249	9910
2020/11/13 13:41:34	Iosco	Total	11498	457595
2020/11/13 13:41:34	Iron	Diagnostic	13141	1187511
2020/11/13 13:41:34	Iron	Serology	40	3615
2020/11/13 13:41:34	Iron	Total	13181	1191126
2020/11/13 13:41:34	Isabella	Serology	702	10047
2020/11/13 13:41:34	Isabella	Diagnostic	21728	310969
2020/11/13 13:41:34	Isabella	Total	22430	321016
2020/11/13 13:41:34	Jackson	Diagnostic	107013	675118
2020/11/13 13:41:34	Jackson	Serology	1769	11160
2020/11/13 13:41:34	Jackson	Total	108782	686278
2020/11/13 13:41:34	Kalamazoo	Diagnostic	141775	534867
2020/11/13 13:41:34	Kalamazoo	Serology	4081	15396
2020/11/13 13:41:34	Kalamazoo	Total	145856	550263
2020/11/13 13:41:34	Kalkaska	Diagnostic	9159	507761
2020/11/13 13:41:34	Kalkaska	Serology	293	16243
2020/11/13 13:41:34	Kalkaska	Total	9452	524005
2020/11/13 13:41:34	Kent	Serology	22635	34454
2020/11/13 13:41:34	Kent	Diagnostic	412389	627728
2020/11/13 13:41:34	Kent	Total	435024	662182
2020/11/13 13:41:34	Keweenaw	Diagnostic	1026	484877
2020/11/13 13:41:34	Keweenaw	Serology	19	8979
2020/11/13 13:41:34	Keweenaw	Total	1045	493856
2020/11/13 13:41:34	Lake	Diagnostic	4790	404117
2020/11/13 13:41:34	Lake	Serology	130	10968
2020/11/13 13:41:34	Lake	Total	4920	415085
2020/11/13 13:41:34	Lapeer	Serology	1869	21334
2020/11/13 13:41:34	Lapeer	Diagnostic	29829	340486
2020/11/13 13:41:34	Lapeer	Total	31698	361820
2020/11/13 13:41:34	Leelanau	Diagnostic	6500	298700
2020/11/13 13:41:34	Leelanau	Serology	394	18106
2020/11/13 13:41:34	Leelanau	Total	6894	316805
2020/11/13 13:41:34	Lenawee	Diagnostic	44354	450519
2020/11/13 13:41:34	Lenawee	Serology	1074	10909
2020/11/13 13:41:34	Lenawee	Total	45428	461428
2020/11/13 13:41:34	Livingston	Diagnostic	88506	460981
2020/11/13 13:41:34	Livingston	Serology	5106	26594
2020/11/13 13:41:34	Livingston	Total	93612	487575

2020/11/13 13:41:34	Luce	Diagnostic	2973	477284
2020/11/13 13:41:34	Luce	Serology	37	5940
2020/11/13 13:41:34	Luce	Total	3010	483224
2020/11/13 13:41:34	Mackinac	Diagnostic	4123	381795
2020/11/13 13:41:34	Mackinac	Serology	67	6204
2020/11/13 13:41:34	Mackinac	Total	4190	387999
2020/11/13 13:41:34	Macomb	Diagnostic	369265	422514
2020/11/13 13:41:34	Macomb	Serology	33171	37954
2020/11/13 13:41:34	Macomb	Total	402436	460468
2020/11/13 13:41:34	Manistee	Serology	452	18405
2020/11/13 13:41:34	Manistee	Diagnostic	8377	341111
2020/11/13 13:41:34	Manistee	Total	8829	359516
2020/11/13 13:41:34	Marquette	Diagnostic	59576	893207
2020/11/13 13:41:34	Marquette	Serology	986	14783
2020/11/13 13:41:34	Marquette	Total	60562	907990
2020/11/13 13:41:34	Mason	Diagnostic	15461	530504
2020/11/13 13:41:34	Mason	Serology	611	20965
2020/11/13 13:41:34	Mason	Total	16072	551469
2020/11/13 13:41:34	Mecosta	Serology	559	12864
2020/11/13 13:41:34	Mecosta	Diagnostic	20252	466067
2020/11/13 13:41:34	Mecosta	Total	20811	478931
2020/11/13 13:41:34	Menominee	Diagnostic	10218	448551
2020/11/13 13:41:34	Menominee	Serology	50	2195
2020/11/13 13:41:34	Menominee	Total	10268	450746
2020/11/13 13:41:34	Midland	Diagnostic	22240	267449
2020/11/13 13:41:34	Midland	Serology	3015	36257
2020/11/13 13:41:34	Midland	Total	25255	303706
2020/11/13 13:41:34	Missaukee	Diagnostic	4509	298254
2020/11/13 13:41:34	Missaukee	Serology	197	13031
2020/11/13 13:41:34	Missaukee	Total	4706	311285
2020/11/13 13:41:34	Monroe	Diagnostic	61547	408950
2020/11/13 13:41:34	Monroe	Serology	2840	18870
2020/11/13 13:41:34	Monroe	Total	64387	427821
2020/11/13 13:41:34	Montcalm	Diagnostic	35788	560168
2020/11/13 13:41:34	Montcalm	Serology	1339	20959
2020/11/13 13:41:34	Montcalm	Total	37127	581126
2020/11/13 13:41:34	Montmorency	Diagnostic	2418	259220
2020/11/13 13:41:34	Montmorency	Serology	161	17260
2020/11/13 13:41:34	Montmorency	Total	2579	276479
2020/11/13 13:41:34	Muskegon	Serology	1782	10267
2020/11/13 13:41:34	Muskegon	Diagnostic	103211	594650
2020/11/13 13:41:34	Muskegon	Total	104993	604917
2020/11/13 13:41:34	Newaygo	Diagnostic	21922	447570
2020/11/13 13:41:34	Newaygo	Serology	904	18457
2020/11/13 13:41:34	Newaygo	Total	22826	466027
2020/11/13 13:41:34	Oakland	Diagnostic	605185	481228
2020/11/13 13:41:34	Oakland	Serology	73263	58257
2020/11/13 13:41:34	Oakland	Total	678448	539485
2020/11/13 13:41:34	Oceana	Serology	470	17758
2020/11/13 13:41:34	Oceana	Diagnostic	20070	758303

2020/11/13 13:41:34	Oceana	Total	20540	776061
2020/11/13 13:41:34	Ogemaw	Diagnostic	7274	346430
2020/11/13 13:41:34	Ogemaw	Serology	229	10906
2020/11/13 13:41:34	Ogemaw	Total	7503	357337
2020/11/13 13:41:34	Ontonagon	Diagnostic	4780	835664
2020/11/13 13:41:34	Ontonagon	Serology	42	7343
2020/11/13 13:41:34	Ontonagon	Total	4822	843007
2020/11/13 13:41:34	Osceola	Diagnostic	12015	512148
2020/11/13 13:41:34	Osceola	Serology	434	18500
2020/11/13 13:41:34	Osceola	Total	12449	530648
2020/11/13 13:41:34	Oscoda	Diagnostic	2325	282126
2020/11/13 13:41:34	Oscoda	Serology	92	11164
2020/11/13 13:41:34	Oscoda	Total	2417	293290
2020/11/13 13:41:34	Otsego	Diagnostic	7531	305294
2020/11/13 13:41:34	Otsego	Serology	375	15202
2020/11/13 13:41:34	Otsego	Total	7906	320496
2020/11/13 13:41:34	Ottawa	Diagnostic	176306	604139
2020/11/13 13:41:34	Ottawa	Serology	6788	23260
2020/11/13 13:41:34	Ottawa	Total	183094	627400
2020/11/13 13:41:34	Presque Isle	Diagnostic	3696	293520
2020/11/13 13:41:34	Presque Isle	Serology	189	15010
2020/11/13 13:41:34	Presque Isle	Total	3885	308529
2020/11/13 13:41:34	Roscommon	Serology	373	15529
2020/11/13 13:41:34	Roscommon	Diagnostic	9272	386028
2020/11/13 13:41:34	Roscommon	Total	9645	401557
2020/11/13 13:41:34	Saginaw	Diagnostic	118985	624465
2020/11/13 13:41:34	Saginaw	Serology	3791	19896
2020/11/13 13:41:34	Saginaw	Total	122776	644362
2020/11/13 13:41:34	Sanilac	Serology	563	13675
2020/11/13 13:41:34	Sanilac	Diagnostic	20579	499854
2020/11/13 13:41:34	Sanilac	Total	21142	513529
2020/11/13 13:41:34	Schoolcraft	Diagnostic	2851	352236
2020/11/13 13:41:34	Schoolcraft	Serology	47	5807
2020/11/13 13:41:34	Schoolcraft	Total	2898	358043
2020/11/13 13:41:34	Shiawassee	Serology	1743	25586
2020/11/13 13:41:34	Shiawassee	Diagnostic	32805	481562
2020/11/13 13:41:34	Shiawassee	Total	34548	507149
2020/11/13 13:41:34	St Clair	Diagnostic	58017	364593
2020/11/13 13:41:34	St Clair	Serology	4630	29096
2020/11/13 13:41:34	St Clair	Total	62647	393689
2020/11/13 13:41:34	St Joseph	Serology	957	15698
2020/11/13 13:41:34	St Joseph	Diagnostic	28114	461157
2020/11/13 13:41:34	St Joseph	Total	29071	476855
2020/11/13 13:41:34	Tuscola	Diagnostic	32666	625246
2020/11/13 13:41:34	Tuscola	Serology	942	18030
2020/11/13 13:41:34	Tuscola	Total	33608	643277
2020/11/13 13:41:34	Unknown	Diagnostic	254990	
2020/11/13 13:41:34	Unknown	Serology	19220	
2020/11/13 13:41:34	Unknown	Total	274210	
2020/11/13 13:41:34	Van Buren	Serology	867	11457

2020/11/13 13:41:34	Van Buren	Diagnostic	47317	625249
2020/11/13 13:41:34	Van Buren	Total	48184	636706
2020/11/13 13:41:34	Washtenaw	Diagnostic	235926	641799
2020/11/13 13:41:34	Washtenaw	Serology	11746	31953
2020/11/13 13:41:34	Washtenaw	Total	247672	673752
2020/11/13 13:41:34	Wayne	Diagnostic	617384	559320
2020/11/13 13:41:34	Wayne	Serology	48364	43815
2020/11/13 13:41:34	Wayne	Total	665748	603135
2020/11/13 13:41:34	Wexford	Diagnostic	13084	389046
2020/11/13 13:41:34	Wexford	Serology	468	13916
2020/11/13 13:41:34	Wexford	Total	13552	402962

# PUBLIC USE DATASETS

## Diagnostic Tests by Result and County

### README

Data include diagnostic tests for COVID-19 by date and county.

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Correctional includes state and federal prisons and county and city detention facilities. Testing data represents total tests performed, not individuals tested. A single individual may have more than one test completed.

The total number of positive tests may exceed the number of confirmed cases due to 1) a single individual may have more than one test performed; 2) MDHHS may receive data on positive tests in advance of a local health department classifying an individual as a confirmed or probable case, and 3) although efforts have been made to deduplicate testing data, some duplication may occur.

**DIAGNOSTIC TESTS BY RESULT AND COUNTY 2020-11-13**

MessageDate	COUNTY	Negative	Positive	Total
11/12/2020	Alcona	7	2	9
11/12/2020	Alger	17	2	19
11/12/2020	Allegan	631	121	752
11/12/2020	Alpena	16	5	21
11/12/2020	Antrim	50	6	56
11/12/2020	Arenac	46	10	56
11/12/2020	Baraga	45	2	47
11/12/2020	Barry	197	30	227
11/12/2020	Bay	764	109	873
11/12/2020	Benzie	24	0	24
11/12/2020	Berrien	815	168	983
11/12/2020	Branch	226	55	281
11/12/2020	Calhoun	1108	202	1310
11/12/2020	Cass	186	41	227
11/12/2020	Charlevoix	159	8	167
11/12/2020	Cheboygan	104	6	110
11/12/2020	Chippewa	197	14	211
11/12/2020	Clare	37	6	43
11/12/2020	Clinton	349	53	402
11/12/2020	Correctional	9036	945	9981
11/12/2020	Crawford	35	11	46
11/12/2020	Delta	197	66	263
11/12/2020	Detroit City	2729	201	2930
11/12/2020	Dickinson	87	33	120
11/12/2020	Eaton	829	121	950
11/12/2020	Emmet	281	31	312
11/12/2020	Genesee	1467	305	1772
11/12/2020	Gladwin	34	11	45
11/12/2020	Gogebic	90	15	105
11/12/2020	Grand Traverse	278	37	315
11/12/2020	Gratiot	207	33	240
11/12/2020	Hillsdale	245	87	332
11/12/2020	Houghton	101	9	110
11/12/2020	Huron	159	17	176
11/12/2020	Ingham	2150	309	2459
11/12/2020	Ionia	589	82	671
11/12/2020	Iosco	69	13	82
11/12/2020	Iron	53	11	64
11/12/2020	Isabella	258	59	317
11/12/2020	Jackson	1371	161	1532
11/12/2020	Kalamazoo	1531	214	1745
11/12/2020	Kalkaska	67	12	79
11/12/2020	Kent	4420	894	5314
11/12/2020	Keweenaw	5	1	6
11/12/2020	Lake	37	8	45
11/12/2020	Lapeer	282	57	339
11/12/2020	Leelanau	26	7	33



11/12/2020	Lenawee	444	84	528
11/12/2020	Livingston	750	153	903
11/12/2020	Luce	132	10	142
11/12/2020	Mackinac	153	7	160
11/12/2020	Macomb	3617	836	4453
11/12/2020	Manistee	38	7	45
11/12/2020	Marquette	841	74	915
11/12/2020	Mason	83	6	89
11/12/2020	Mecosta	156	39	195
11/12/2020	Menominee	193	23	216
11/12/2020	Midland	178	35	213
11/12/2020	Missaukee	74	3	77
11/12/2020	Monroe	818	114	932
11/12/2020	Montcalm	413	61	474
11/12/2020	Montmorency	29	5	34
11/12/2020	Muskegon	1297	556	1853
11/12/2020	Newaygo	133	39	172
11/12/2020	Oakland	5788	866	6654
11/12/2020	Oceana	259	37	296
11/12/2020	Ogemaw	53	15	68
11/12/2020	Ontonagon	43	2	45
11/12/2020	Osceola	95	13	108
11/12/2020	Oscoda	11	4	15
11/12/2020	Otsego	106	34	140
11/12/2020	Ottawa	1899	433	2332
11/12/2020	Presque Isle	21	9	30
11/12/2020	Roscommon	47	23	70
11/12/2020	Saginaw	1094	201	1295
11/12/2020	Sanilac	250	28	278
11/12/2020	Schoolcraft	82	1	83
11/12/2020	Shiawassee	445	56	501
11/12/2020	St Clair	580	160	740
11/12/2020	St Joseph	208	31	239
11/12/2020	Tuscola	455	64	519
11/12/2020	Unknown	1769	145	1914
11/12/2020	Van Buren	477	64	541
11/12/2020	Washtenaw	2738	261	2999
11/12/2020	Wayne	5199	794	5993
11/12/2020	Wexford	103	13	116